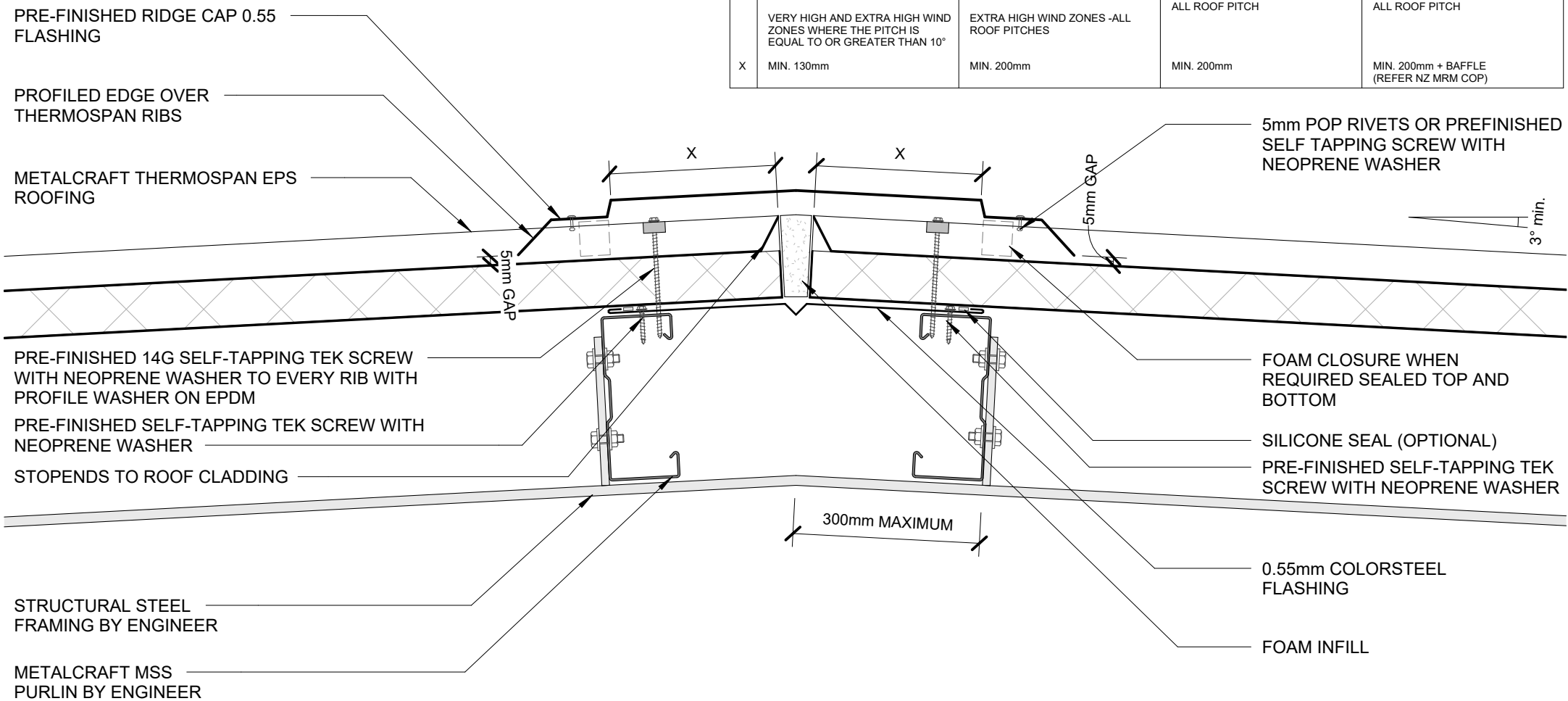


ThermoSpan EPS

COMMERCIAL ROOFING

DETAIL LIST		Revision	Date
00 / 25	COVER SHEET		
01 / 25	RIDGE DETAIL 01	1.3	19.12.2024
02 / 25	RIDGE DETAIL 02	1.1	19.12.2024
03 / 25	HEAD FLASHING DETAIL	3.1	19.12.2024
04 / 25	SAW TOOTH SOFFIT DETAIL 01	1.1	19.12.2024
05 / 25	SAW TOOTH SOFFIT DETAIL 02	1.1	19.12.2024
06 / 25	EAVES GUTTER DETAIL	2.2	19.12.2024
07 / 25	INSULATED GUTTER	2.2	19.12.2024
08 / 25	INSULATED BOX GUTTER	2.2	19.12.2024
09 / 25	BARGE WITH PROFILED CLADDING 01	1.1	19.12.2024
10 / 25	BARGE WITH PROFILED CLADDING 02	1.1	19.12.2024
11 / 25	BARGE CAPPING DETAIL	1.3	19.12.2024
12 / 25	BARGE/PARAPET DETAIL	1.3	19.12.2024
13 / 25	END LAP DETAIL	1.3	19.12.2024
14 / 25	GUTTER DETAIL 01	1.1	19.12.2024
15 / 25	GUTTER DETAIL 02	1.1	19.12.2024
16 / 25	EXPANSION STEP DETAIL	1.3	19.12.2024
17 / 25	CANTILEVER BARGE CAPPING DETAIL 01	1.1	19.12.2024
18 / 25	CANTILEVER BARGE CAPPING DETAIL 02	1.1	19.12.2024
19 / 25	SKYLIGHT PANEL DETAIL (OPTIONAL)	2.2	19.12.2024
20 / 25	INSULATED PENETRATION DETAIL	2.2	19.12.2024
21 / 25	SIDE LAP DETAIL	2.1	19.12.2024
22 / 25	FASCIA AND BARGE FLASHING DIMENSIONS	1.3	19.12.2024
23 / 25	SIDE BARGE FLASHING DIMENSIONS	1.3	19.12.2024
24 / 25	CANTILEVER DRAWING	1.1	19.12.2024
25 / 25	PANEL PROFILE AND SIZE	1.3	19.12.2024

AS PER E2/ASI			
	<u>SITUATION 1</u> 1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH ≥ 10° MIN. 130mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)	<u>SITUATION 2</u> 1. VERY HIGH WIND ZONE 2.LOW, MEDIUM & HIGH WIND ZONES WHERE ROOF PITCH ≤ 10° MIN. 200mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)	<u>SITUATION 3</u> 1.ALL ROOF PITCHES IN EXTRA HIGH WIND ZONE. MIN. 200mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)
X			
AS PER MRM CODE OF PRACTICE			
	<u>CATEGORY A</u> LOW, MEDIUM OR HIGH WIND ZONES - ALL ROOF PITCHES VERY HIGH AND EXTRA HIGH WIND ZONES WHERE THE PITCH IS EQUAL TO OR GREATER THAN 10°	<u>CATEGORY B</u> VERY HIGH WIND ZONES ROOF PITCH <8° EXTRA HIGH WIND ZONES -ALL ROOF PITCHES	<u>CATEGORY C</u> SED WIND ZONES UP TO 60 m/s ALL ROOF PITCH
			<u>CATEGORY D</u> SED WIND ZONES UP TO 68 m/s ALL ROOF PITCH
X	MIN. 130mm	MIN. 200mm	MIN. 200mm
			MIN. 200mm + BAFFLE (REFER NZ MRM COP)

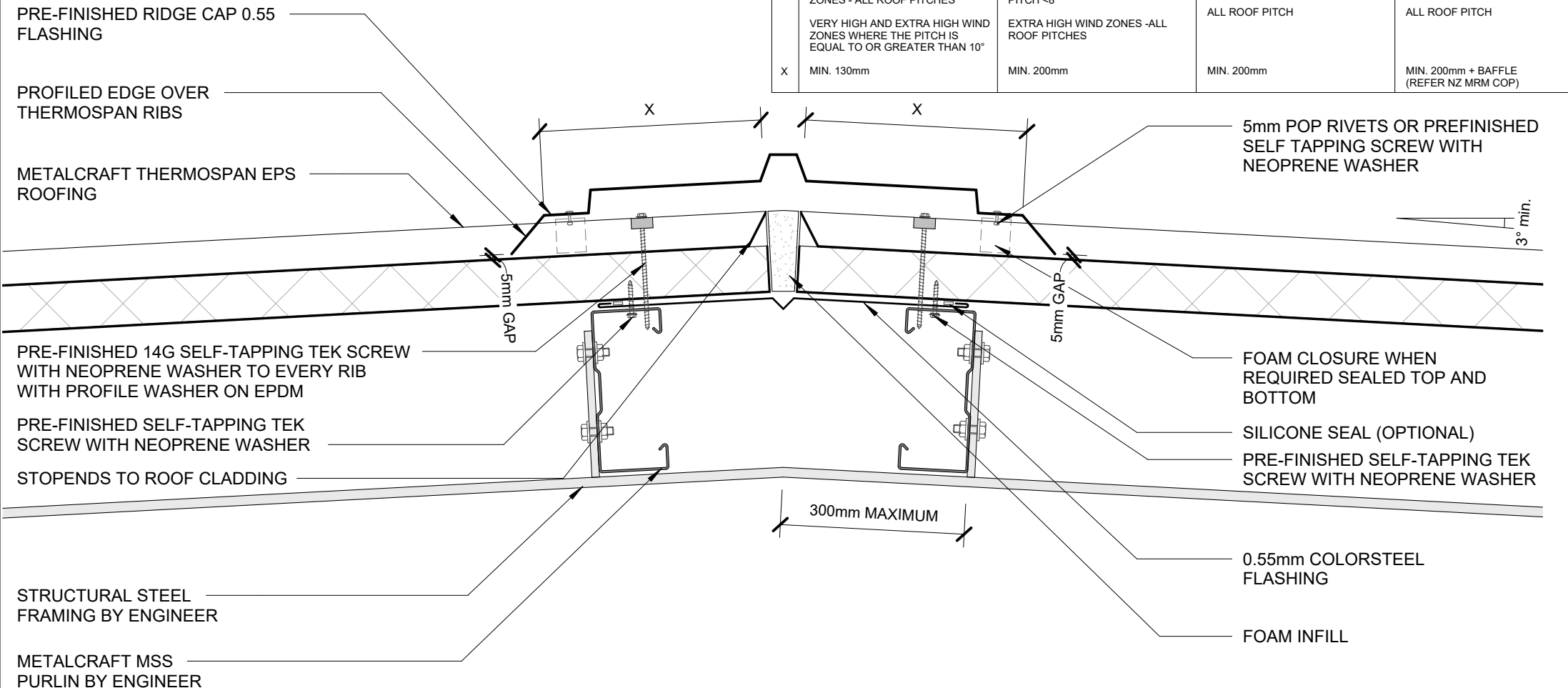


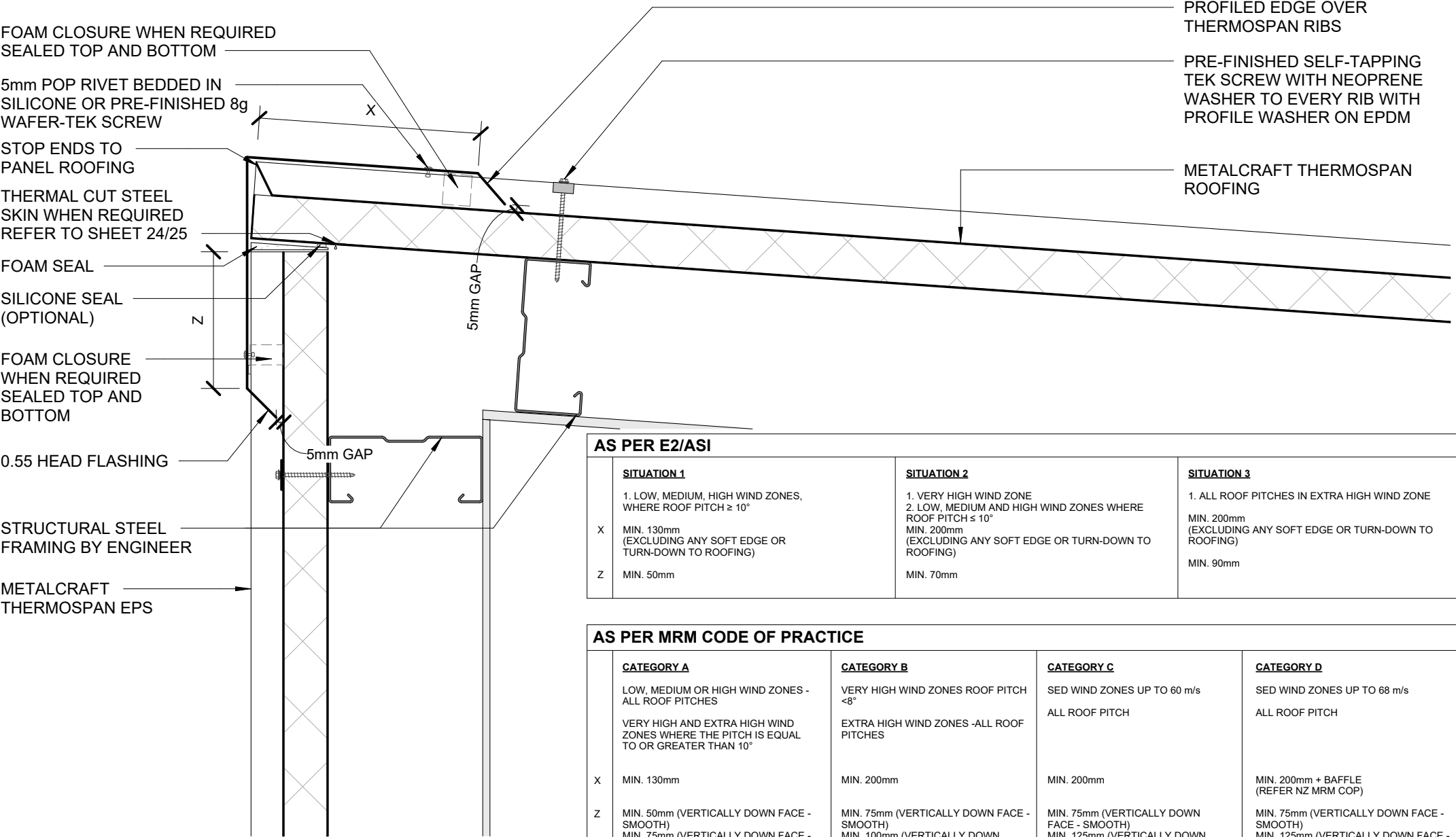
AS PER E2/ASI

SITUATION 1	SITUATION 2	SITUATION 3
1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH $\geq 10^{\circ}$ X MIN. 130mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)	1. VERY HIGH WIND ZONE 2. LOW, MEDIUM & HIGH WIND ZONES WHERE ROOF PITCH $\leq 10^{\circ}$ MIN. 200mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)	1. ALL ROOF PITCHES IN EXTRA HIGH WIND ZONE. MIN. 200mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)

AS PER MRM CODE OF PRACTICE

CATEGORY A	CATEGORY B	CATEGORY C	CATEGORY D
LOW, MEDIUM OR HIGH WIND ZONES - ALL ROOF PITCHES VERY HIGH AND EXTRA HIGH WIND ZONES WHERE THE PITCH IS EQUAL TO OR GREATER THAN 10° X MIN. 130mm	VERY HIGH WIND ZONES ROOF PITCH $< 8^{\circ}$ EXTRA HIGH WIND ZONES - ALL ROOF PITCHES MIN. 200mm	SED WIND ZONES UP TO 60 m/s ALL ROOF PITCH MIN. 200mm	SED WIND ZONES UP TO 68 m/s ALL ROOF PITCH MIN. 200mm + BAFFLE (REFER NZ MRM COP)





HEAD FLASHING DETAIL
COMMERCIAL ROOFING

ThermoSpan EPS

Rev. 3.1

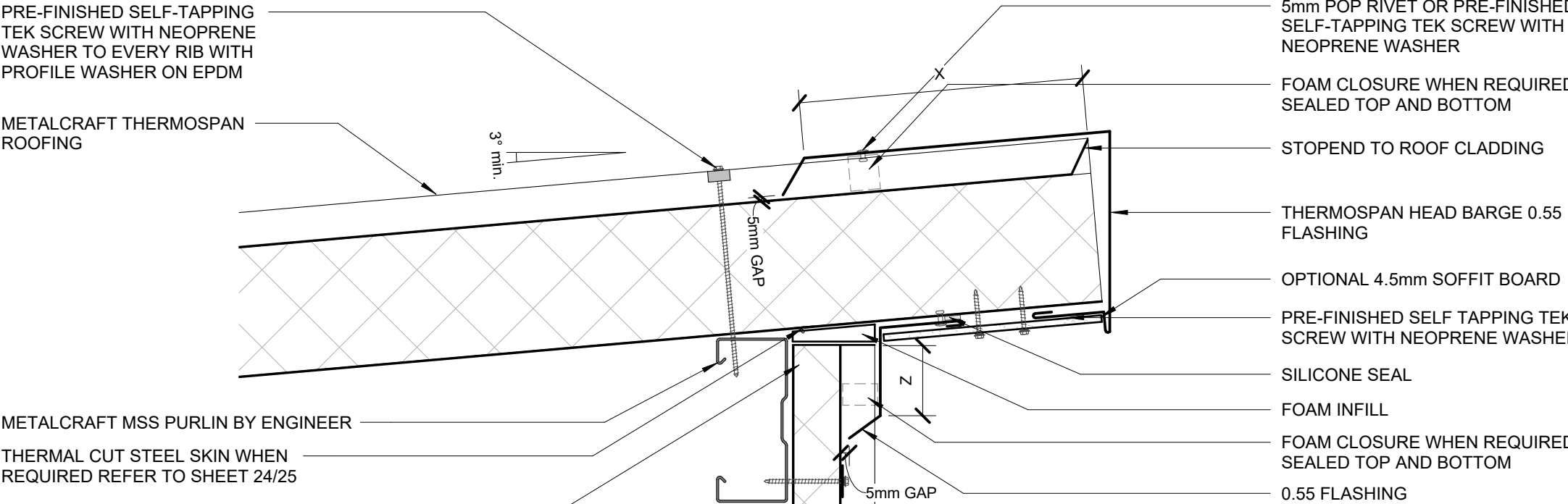
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Date 19.12.2024

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03 / 25

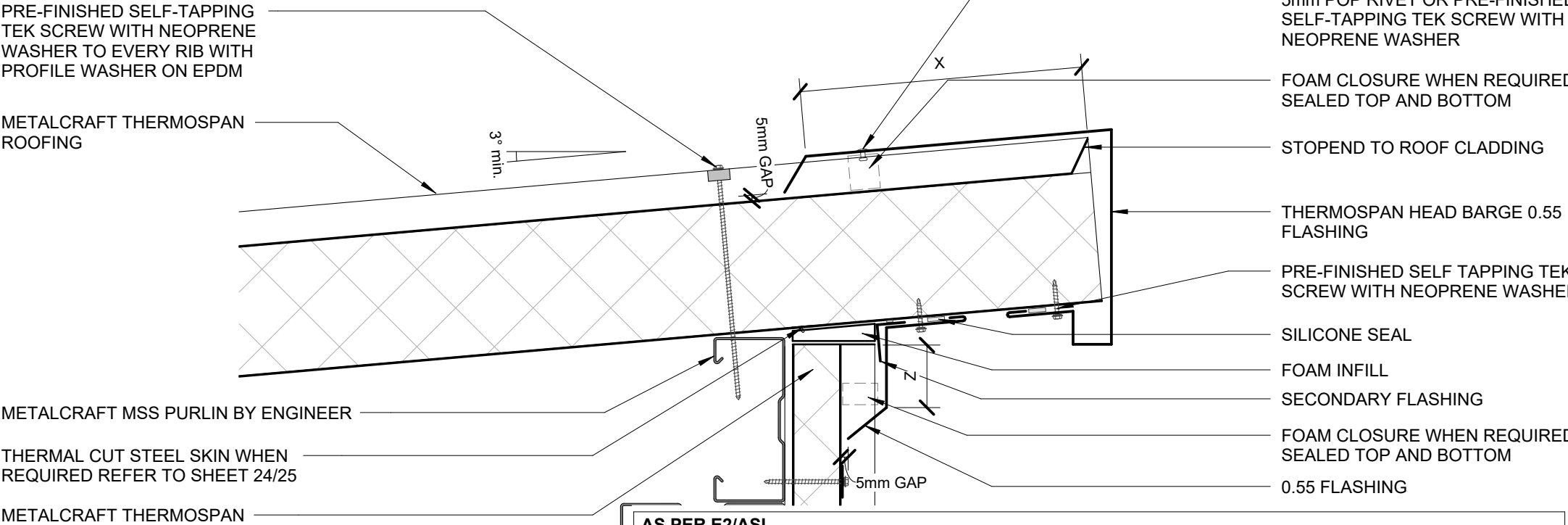


AS PER E2/ASI			
	SITUATION 1	SITUATION 2	SITUATION 3
	1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH ≥ 10°	1. VERY HIGH WIND ZONE 2. LOW, MEDIUM AND HIGH WIND ZONES WHERE ROOF PITCH ≤ 10°	1. ALL ROOF PITCHES IN EXTRA HIGH WIND ZONE
X	MIN. 130mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)	MIN. 200mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)	MIN. 200mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)
Z	MIN. 50mm	MIN. 70mm	MIN. 90mm

AS PER MRM CODE OF PRACTICE				
	<u>CATEGORY A</u>	<u>CATEGORY B</u>	<u>CATEGORY C</u>	<u>CATEGORY D</u>
	LOW, MEDIUM OR HIGH WIND ZONES - ALL ROOF PITCHES VERY HIGH AND EXTRA HIGH WIND ZONES WHERE THE PITCH IS EQUAL TO OR GREATER THAN 10°	VERY HIGH WIND ZONES ROOF PITCH <8° EXTRA HIGH WIND ZONES -ALL ROOF PITCHES	SED WIND ZONES UP TO 60 m/s ALL ROOF PITCH	SED WIND ZONES UP TO 68 m/s ALL ROOF PITCH
X	MIN. 130mm	MIN. 200mm	MIN. 200mm	MIN. 200mm + BAFFLE (REFER NZ MRM COP)
Z	MIN. 50mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 75mm (VERTICALLY DOWN FACE - PROFILED)	MIN. 75mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 100mm (VERTICALLY DOWN FACE - PROFILED)	MIN. 75mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 125mm (VERTICALLY DOWN FACE - PROFILED)	MIN. 75mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 125mm (VERTICALLY DOWN FACE - PROFILED)

SAW TOOTH SOFFIT DETAIL 01

ThermoSpan EPS Rev. 1.1 COMMERCIAL ROOFING



AS PER E2/ASI			
	<u>SITUATION 1</u>	<u>SITUATION 2</u>	<u>SITUATION 3</u>
	1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH ≥ 10°	1. VERY HIGH WIND ZONE 2. LOW, MEDIUM AND HIGH WIND ZONES WHERE ROOF PITCH ≤ 10°	1. ALL ROOF PITCHES IN EXTRA HIGH WIND ZONE
X	MIN. 130mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)	MIN. 200mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)	MIN. 200mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)
Z	MIN. 50mm	MIN. 70mm	MIN. 90mm

AS PER MRM CODE OF PRACTICE				
	<u>CATEGORY A</u>	<u>CATEGORY B</u>	<u>CATEGORY C</u>	<u>CATEGORY D</u>
	LOW, MEDIUM OR HIGH WIND ZONES - ALL ROOF PITCHES VERY HIGH AND EXTRA HIGH WIND ZONES WHERE THE PITCH IS EQUAL TO OR GREATER THAN 10°	VERY HIGH WIND ZONES ROOF PITCH <8° EXTRA HIGH WIND ZONES -ALL ROOF PITCHES	SED WIND ZONES UP TO 60 m/s ALL ROOF PITCH	SED WIND ZONES UP TO 68 m/s ALL ROOF PITCH
X	MIN. 130mm	MIN. 200mm	MIN. 200mm	MIN. 200mm + BAFFLE (REFER NZ MRM COP)
Z	MIN. 50mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 75mm (VERTICALLY DOWN FACE - PROFILED)	MIN. 75mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 100mm (VERTICALLY DOWN FACE - PROFILED)	MIN. 75mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 125mm (VERTICALLY DOWN FACE - PROFILED)	MIN. 75mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 125mm (VERTICALLY DOWN FACE - PROFILED)

SAW TOOTH SOFFIT DETAIL 02

ThermoSpan EPS Rev. 1.1 COMMERCIAL ROOFING

PRE-FINISHED SELF-TAPPING TEK SCREW WITH NEOPRENE WASHER TO EVERY RIB WITH PROFILE WASHER ON EPDM

FOAM SEAL

THERMAL CUT STEEL SKIN WHEN REQUIRED REFER TO SHEET 24/25

5mm POP RIVETS OR PRE-FINISHED SELF TAPPING SCREW WITH NEOPRENE WASHER

BOX GUTTER WITH EXTERNAL BRACKET

FOAM CLOSURE WHEN REQUIRED SEALED TOP AND BOTTOM

SILICONE SEAL

PRE-FINISHED 0.55 GUTTER FLASHING

INSULATED PANEL

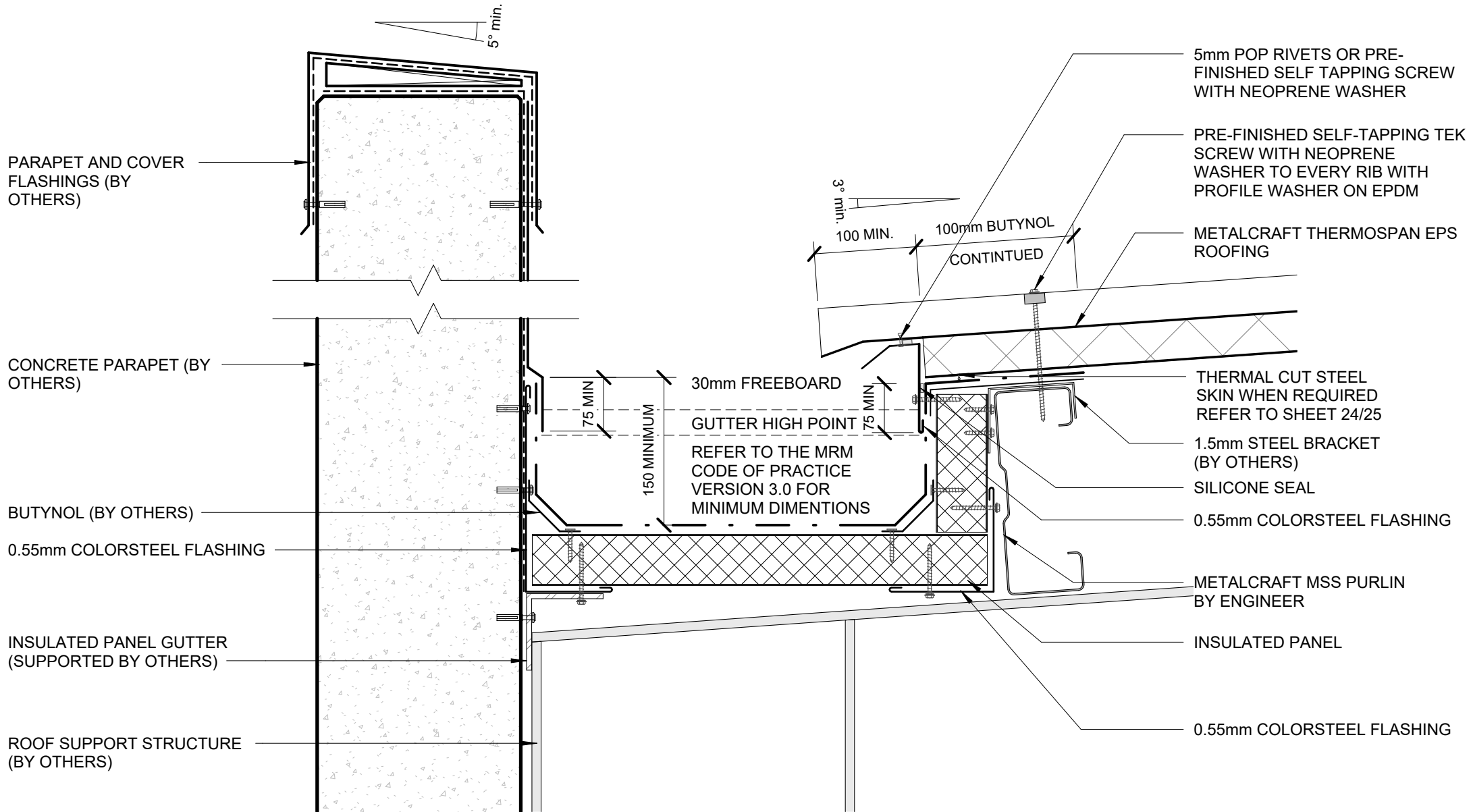
70mm MIN
100mm RECCOMENDED IF GUTTER SIZE ALLOWS

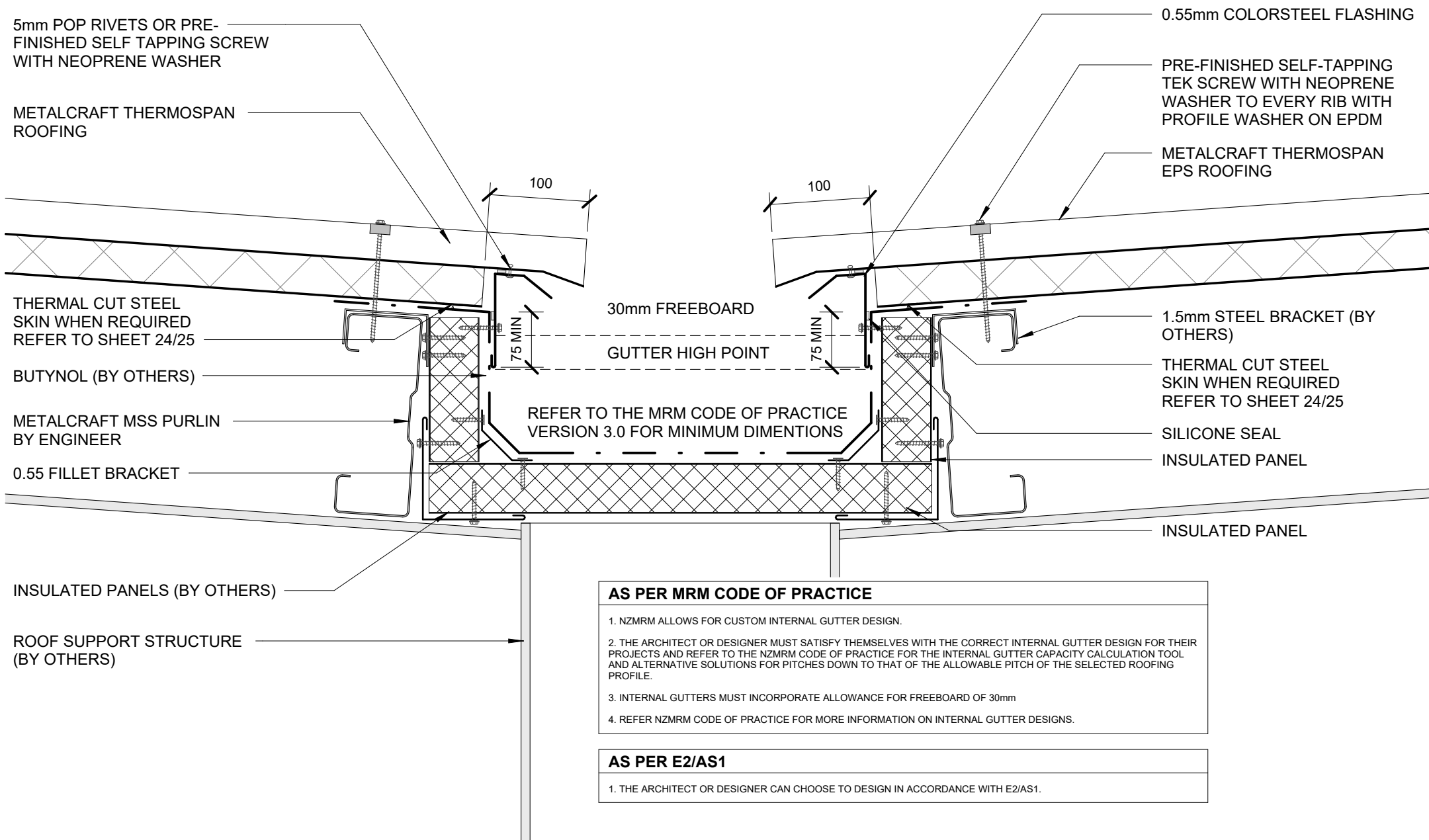
3° min.

METALCRAFT THERMOSPAN EPS ROOFING

FASTEN GUTTER BRACKET WITH SUITABLE LENGTH TEK SCREWS INTO FASCIA PURLIN (BY OTHERS)

STRUCTURAL STEEL FRAMING BY ENGINEER





5mm RIVETS @ 250CRS.

Z PROFILE (NOT REQUIRED
WHEN OVER 2 RIBS)

METALCRAFT THERMOSPAN ROOFING

14G TEK SCREW WITH
NEOPRENE WASHER 40mm MIN.
EMBEDMENT ON EMBOSS

THERMAL CUT STEEL SKIN
WHEN REQUIRED REFER
TO SHEET 24/25

PRE-FINISHED 0.55
BARGE FLASHING

FOAM CLOSURE WHEN REQUIRED
SEALED TOP AND BOTTOM

THERMOSPAN VERTICALLY LAID

SEAL

PRE-FINISHED SELF-TAPPING TEK SCREW
WITH NEOPRENE WASHER TO EVERY RIB
WITH PROFILE WASHER ON EPDM

METALCRAFT MSS PURLIN BY ENGINEER

AS PER E2/ASI

SITUATION 1

1. LOW, MEDIUM, HIGH WIND ZONES WHERE
ROOF PITCH $\geq 10^\circ$

Y AT LEAST TWO CRESTS

Z MIN. 50mm

SITUATION 2

1. ALL ROOF PITCHES IN VERY HIGH WIND ZONE
2. LOW, MEDIUM AND HIGH WIND ZONES WHERE
ROOF PITCH $\leq 10^\circ$

AT LEAST TWO CRESTS

MIN. 70mm

SITUATION 3

1. ALL ROOF PITCHES IN EXTRA HIGH WIND
ZONE.

AT LEAST TWO CRESTS

MIN. 90mm

AS PER MRM CODE OF PRACTICE

CATEGORY A

LOW, MEDIUM OR HIGH WIND
ZONES - ALL ROOF PITCHES

VERY HIGH AND EXTRA HIGH
WIND ZONES WHERE THE
PITCH IS EQUAL TO OR
GREATER THAN 10°

Y TRAPEZOIDAL & TRAY:
ONE RIB

CORRUGATE:
2 CORRUGATIONS

Z MIN. 50mm (VERTICALLY DOWN
FACE - SMOOTH)
MIN. 75mm (VERTICALLY DOWN
FACE - PROFILED)

CATEGORY B

VERY HIGH WIND ZONES ROOF
PITCH $< 8^\circ$

EXTRA HIGH WIND ZONES - ALL
ROOF PITCHES

Y TRAPEZOIDAL & TRAY:
TWO RIBS (20mm - 34mm)*
ONE RIB (> 34 mm)*

CORRUGATE:
2 CORRUGATIONS

Z MIN. 75mm (VERTICALLY DOWN
FACE - SMOOTH)
MIN. 100mm (VERTICALLY
DOWN FACE - PROFILED)

CATEGORY C

SED WIND ZONES UP TO 60 m/s

ALL ROOF PITCH

Y TRAPEZOIDAL & TRAY:
TWO RIBS (20mm - 34mm)*
ONE RIB (> 34 mm)*

CORRUGATE:
3 CORRUGATIONS

Z MIN. 75mm (VERTICALLY DOWN
FACE - SMOOTH)
MIN. 125mm (VERTICALLY DOWN
FACE - PROFILED)

CATEGORY D

SED WIND ZONES UP TO 68 m/s

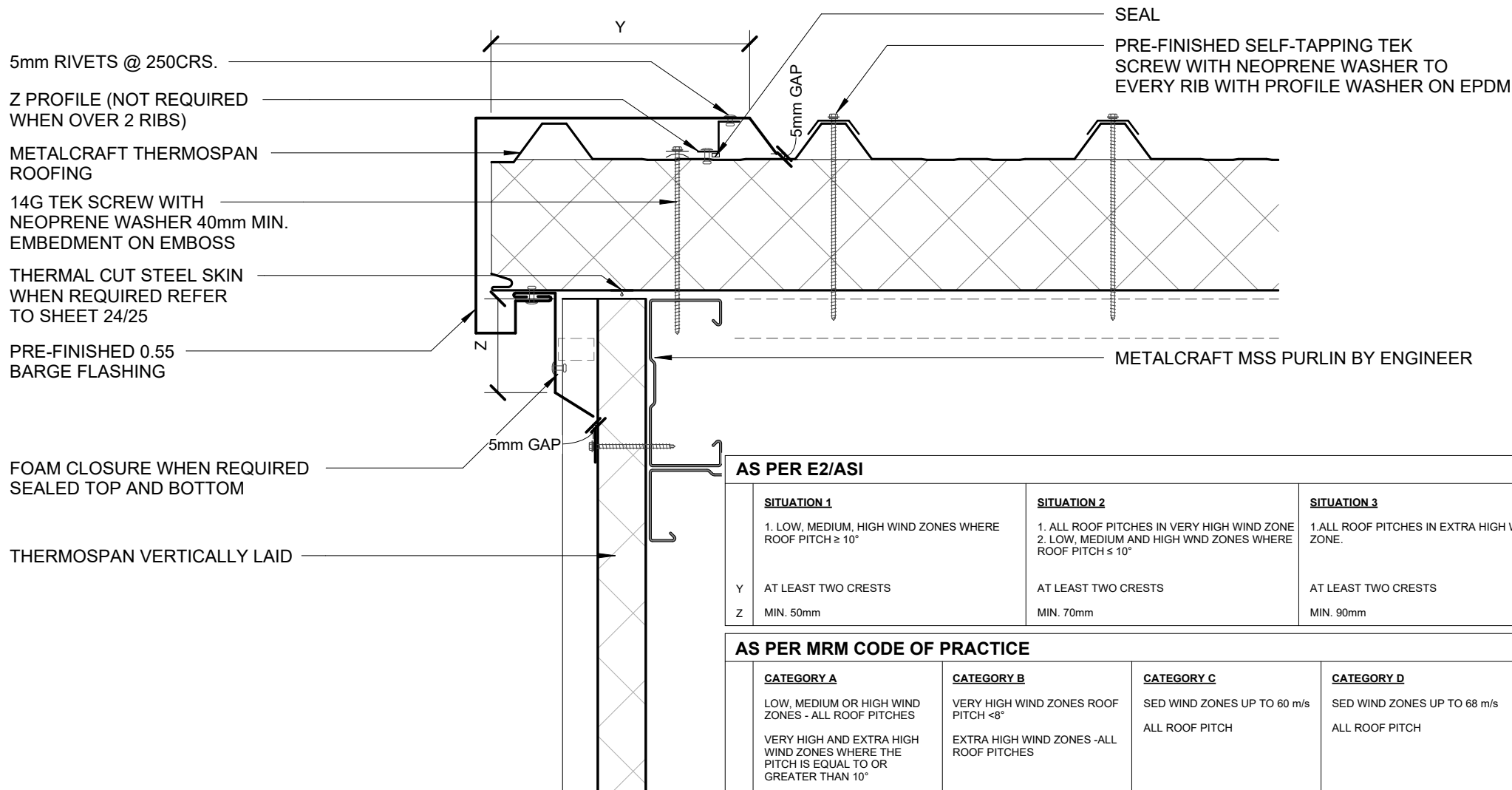
ALL ROOF PITCH

Y TRAPEZOIDAL & TRAY:
TWO RIBS (20mm - 34mm)* + UNDERSOAKER
ONE RIB (> 34 mm)* + UNDERSOAKER

CORRUGATE:
2 CORRUGATIONS + UNDERSOAKER

Z MIN. 75mm (VERTICALLY DOWN FACE -
SMOOTH)
MIN. 125mm (VERTICALLY DOWN FACE -
PROFILED)

* RIB HEIGHT OF PROFILE OR TURNUP



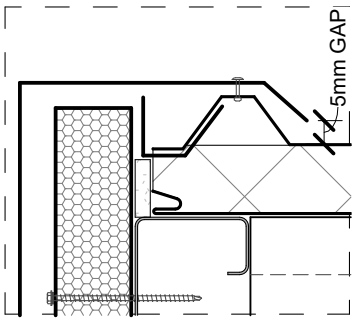
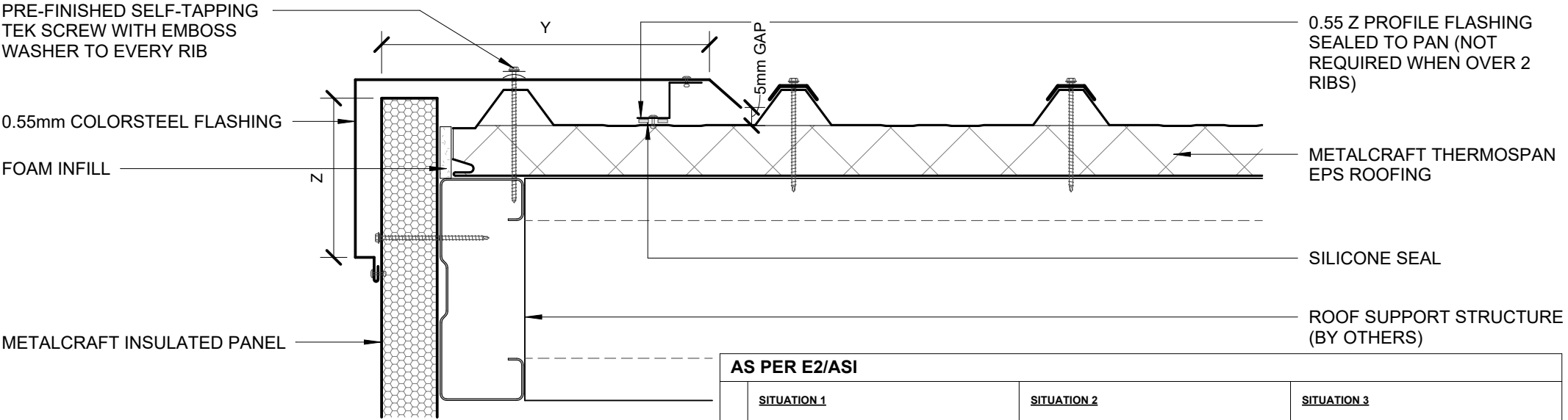
AS PER E2/ASI

SITUATION 1	SITUATION 2	SITUATION 3
1. LOW, MEDIUM, HIGH WIND ZONES WHERE ROOF PITCH $\geq 10^\circ$	1. ALL ROOF PITCHES IN VERY HIGH WIND ZONE 2. LOW, MEDIUM AND HIGH WIND ZONES WHERE ROOF PITCH $\leq 10^\circ$	1. ALL ROOF PITCHES IN EXTRA HIGH WIND ZONE.
Y AT LEAST TWO CRESTS	AT LEAST TWO CRESTS	AT LEAST TWO CRESTS
Z MIN. 50mm	MIN. 70mm	MIN. 90mm

AS PER MRM CODE OF PRACTICE

CATEGORY A	CATEGORY B	CATEGORY C	CATEGORY D
LOW, MEDIUM OR HIGH WIND ZONES - ALL ROOF PITCHES VERY HIGH AND EXTRA HIGH WIND ZONES WHERE THE PITCH IS EQUAL TO OR GREATER THAN 10°	VERY HIGH WIND ZONES ROOF PITCH $< 8^\circ$ EXTRA HIGH WIND ZONES - ALL ROOF PITCHES	SED WIND ZONES UP TO 60 m/s ALL ROOF PITCH	SED WIND ZONES UP TO 68 m/s ALL ROOF PITCH
Y TRAPEZOIDAL & TRAY: ONE RIB CORRUGATE: 2 CORRUGATIONS	Y TRAPEZOIDAL & TRAY: TWO RIBS (20mm - 34mm)* ONE RIB ($> 34mm$)* CORRUGATE: 2 CORRUGATIONS	Y TRAPEZOIDAL & TRAY: TWO RIBS (20mm - 34mm)* ONE RIB ($> 34mm$)* CORRUGATE: 3 CORRUGATIONS	Y TRAPEZOIDAL & TRAY: TWO RIBS (20mm - 34mm)* + UNDERSOAKER ONE RIB ($> 34mm$)* + UNDERSOAKER CORRUGATE: 2 CORRUGATIONS + UNDERSOAKER
Z MIN. 50mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 75mm (VERTICALLY DOWN FACE - PROFILED)	Z MIN. 75mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 100mm (VERTICALLY DOWN FACE - PROFILED)	Z MIN. 75mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 125mm (VERTICALLY DOWN FACE - PROFILED)	Z MIN. 75mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 125mm (VERTICALLY DOWN FACE - PROFILED)

* RIB HEIGHT OF PROFILE OR TURNUP



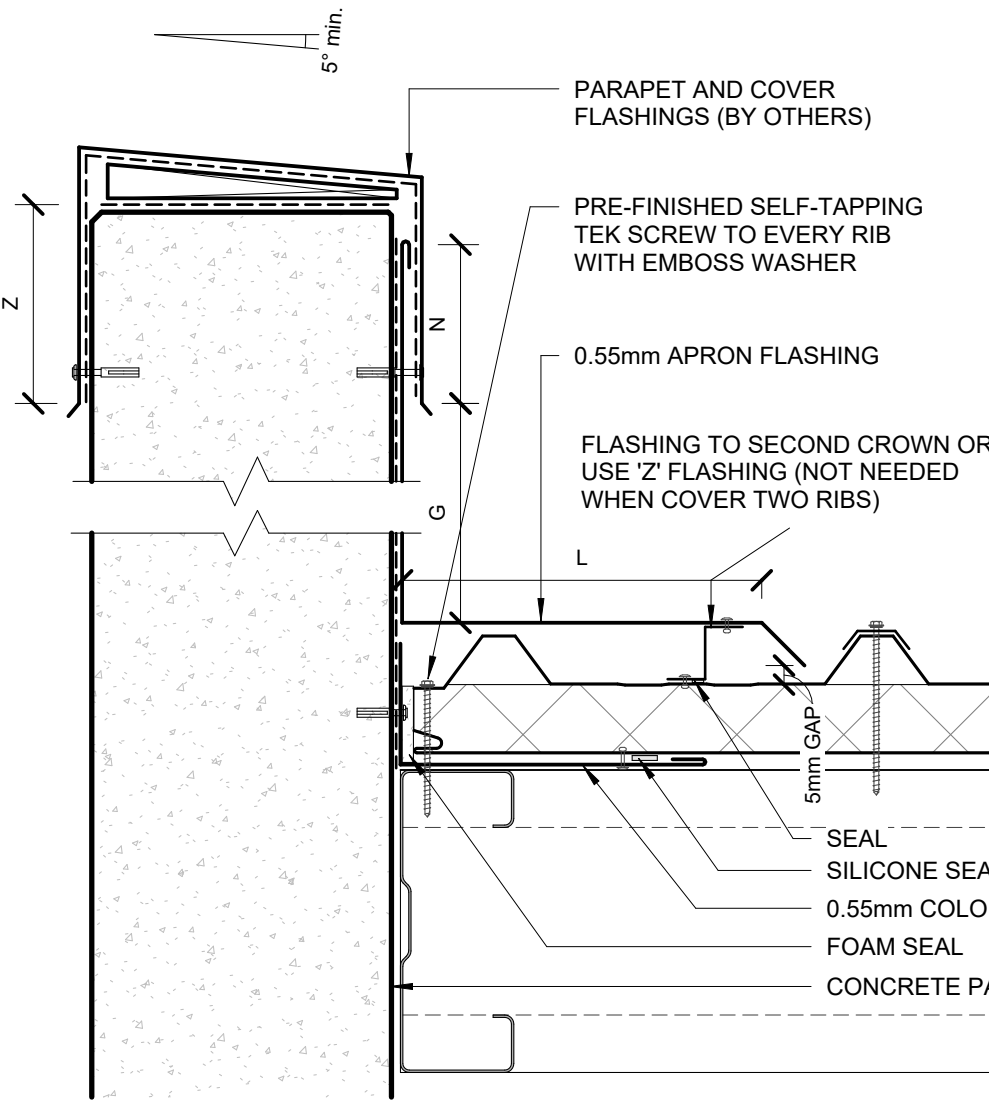
ALTERNATIVE

AS PER E2/ASI			
	SITUATION 1	SITUATION 2	SITUATION 3
	1. LOW, MEDIUM, HIGH WIND ZONES WHERE ROOF PITCH ≥ 10°	1. ALL ROOF PITCHES IN VERY HIGH WIND ZONE 2. LOW, MEDIUM AND HIGH WND ZONES WHERE ROOF PITCH ≤ 10°	1. ALL ROOF PITCHES IN EXTRA HIGH WIND ZONE.
Y	AT LEAST TWO CRESTS	AT LEAST TWO CRESTS	AT LEAST TWO CRESTS
Z	MIN. 50mm	MIN. 70mm	MIN. 90mm

AS PER MRM CODE OF PRACTICE			
	CATEGORY A	CATEGORY B	CATEGORY C
	LOW, MEDIUM OR HIGH WIND ZONES - ALL ROOF PITCHES VERY HIGH AND EXTRA HIGH WIND ZONES WHERE THE PITCH IS EQUAL TO OR GREATER THAN 10°	VERY HIGH WIND ZONES ROOF PITCH <8° EXTRA HIGH WIND ZONES -ALL ROOF PITCHES	SED WIND ZONES UP TO 60 m/s ALL ROOF PITCH
Y	TRAPEZOIDAL & TRAY: ONE RIB CORRUGATE: 2 CORRUGATIONS	TRAPEZOIDAL & TRAY: TWO RIBS (20mm - 34mm)* ONE RIB (>34mm)* CORRUGATE: 2 CORRUGATIONS	TRAPEZOIDAL & TRAY: TWO RIBS (20mm - 34mm)* ONE RIB (>34mm)* CORRUGATE: 3 CORRUGATIONS
Z	MIN. 50mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 75mm (VERTICALLY DOWN FACE - PROFILED)	MIN. 75mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 100mm (VERTICALLY DOWN FACE - PROFILED)	MIN. 75mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 125mm (VERTICALLY DOWN FACE - PROFILED)
* RIB HEIGHT OF PROFILE OR TURNUP			

	CATEGORY D
	SED WIND ZONES UP TO 68 m/s ALL ROOF PITCH
Y	TRAPEZOIDAL & TRAY: TWO RIBS (20mm - 34mm)* + UNDERSOAKER ONE RIB (>34mm)* + UNDERSOAKER CORRUGATE: 2 CORRUGATIONS + UNDERSOAKER
Z	MIN. 75mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 125mm (VERTICALLY DOWN FACE - PROFILED)

BARGE CAPPING DETAIL
COMMERCIAL ROOFING



AS PER E2/ASI

	SITUATION 1	SITUATION 2	SITUATION 3
	1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH $\geq 10^\circ$	1. VERY HIGH WIND ZONE 2. LOW, MEDIUM AND HIGH WIND ZONES WHERE ROOF PITCHES $\leq 10^\circ$	1. ALL ROOF PITCHES IN EXTRA HIGH WIND ZONE
G	MIN. 35mm	MIN. 35mm	MIN. 35mm
N	MIN. 75mm	MIN. 75mm	MIN. 75mm
L	MIN. 130mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)	MIN. 200mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)	MIN. 200mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)
Z	MIN. 50mm	MIN. 70mm	MIN. 90mm

AS PER MRM CODE OF PRACTICE

	CATEGORY A	CATEGORY B	CATEGORY C	CATEGORY D
	LOW, MEDIUM OR HIGH WIND ZONES - ALL ROOF PITCHES VERY HIGH AND EXTRA HIGH WIND ZONES WHERE THE PITCH IS EQUAL TO OR GREATER THAN 10°	VERY HIGH WIND ZONES ROOF PITCH $<8^\circ$ EXTRA HIGH WIND ZONES - ALL ROOF PITCHES	SED WIND ZONES UP TO 60 m/s ALL ROOF PITCH	SED WIND ZONES UP TO 68 m/s ALL ROOF PITCH
G	25mm	25mm	25mm	25mm
N	MIN. 50mm + HEM OR 75mm (VERTICALLY UP FACE - SMOOTH) MIN. 75mm + HEM OR 100mm (VERTICALLY UP FACE - PROFILED)	MIN. 75mm + HEM OR 100mm (VERTICALLY UP FACE - SMOOTH) MIN. 100mm + HEM OR 125mm (VERTICALLY UP FACE - PROFILED)	MIN. 100mm + HEM OR 125mm (VERTICALLY UP FACE - SMOOTH) MIN. 125mm + HEM (VERTICALLY UP FACE - PROFILED)	MIN. 100mm + HEM OR 125mm (VERTICALLY UP FACE - SMOOTH) MIN. 125mm + HEM (VERTICALLY UP FACE - PROFILED)
L	TRAPEZOIDAL: ONE RIB	TRAPEZOIDAL: TWO RIB	TRAPEZOIDAL: TWO RIB	TRAPEZOIDAL: TWO RIB + UNDERSOAKER
Z	MIN. 50mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 75mm (VERTICALLY DOWN FACE - PROFILED)	MIN. 75mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 100mm (VERTICALLY DOWN FACE - PROFILED)	MIN. 100mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 125mm (VERTICALLY DOWN FACE - PROFILED)	MIN. 100mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 125mm (VERTICALLY DOWN FACE - PROFILED)

METALCRAFT THERMOSPAN
EPS PANEL

ROOF SUPPORT STRUCTURE
(BY OTHERS)

BARGE/PARAPET DETAIL COMMERCIAL ROOFING

ThermoSpan EPS

Rev. 1.3

Reference CREPS

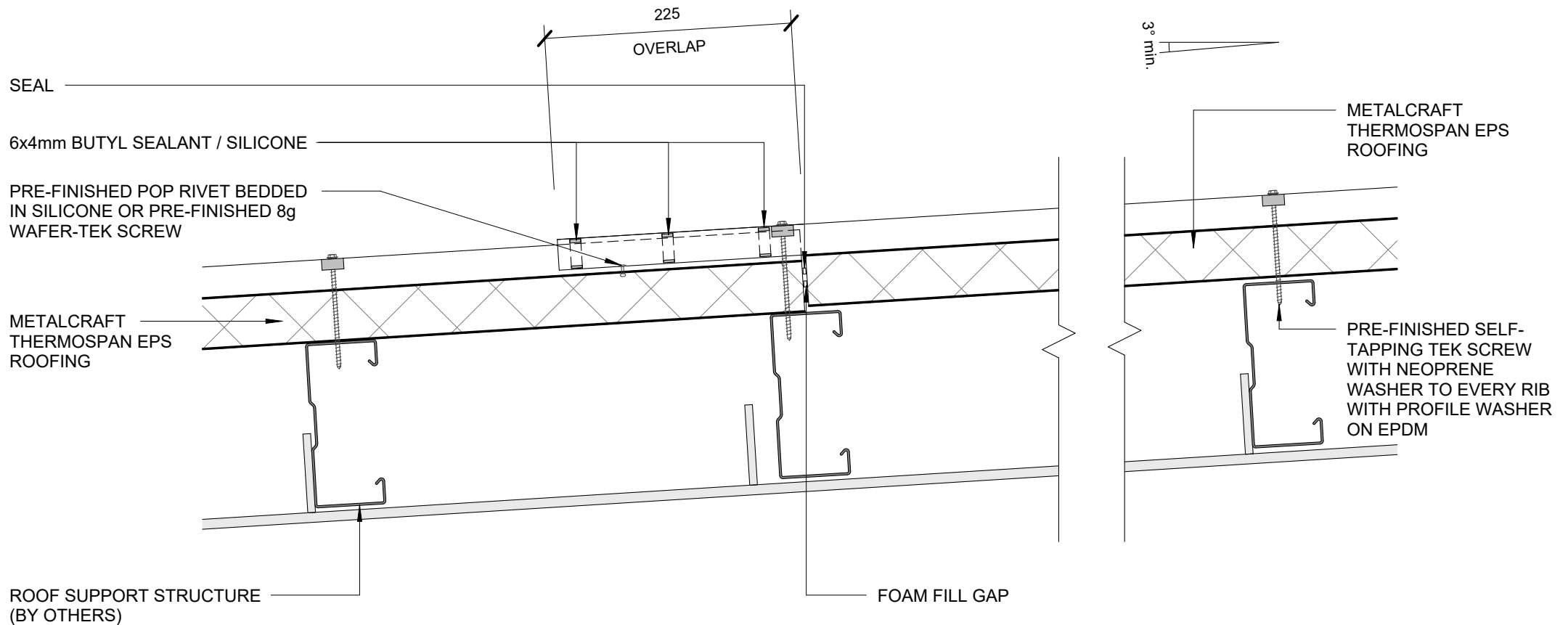
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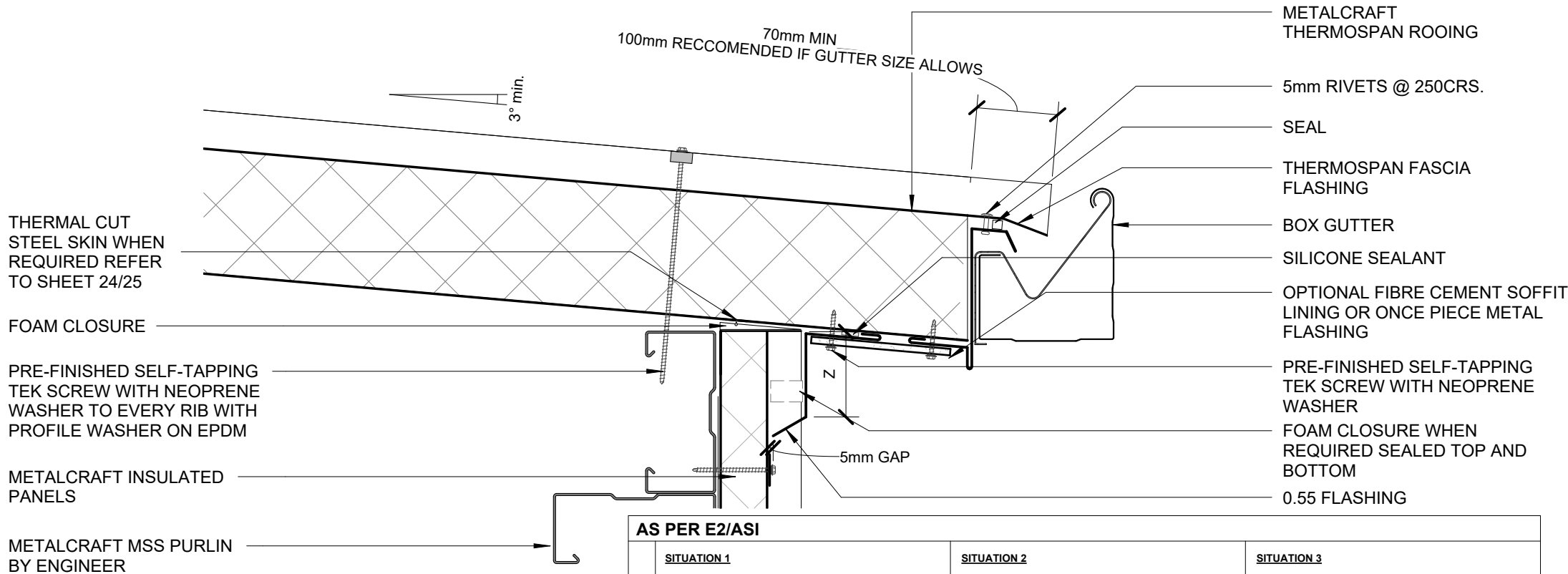
Scale 1 : 5

Sheet

12 / 25

DISCLAIMER:
All details are to be used for indicative purposes only and the designer should consult both the MRM code of practice and E2 and all other relevant building codes. Details of the supporting mechanisms are indicative only. These installation details must be read in conjunction with all other product literature available for download from www.metalcraftinsulatedpanels.co.nz





AS PER E2/ASI

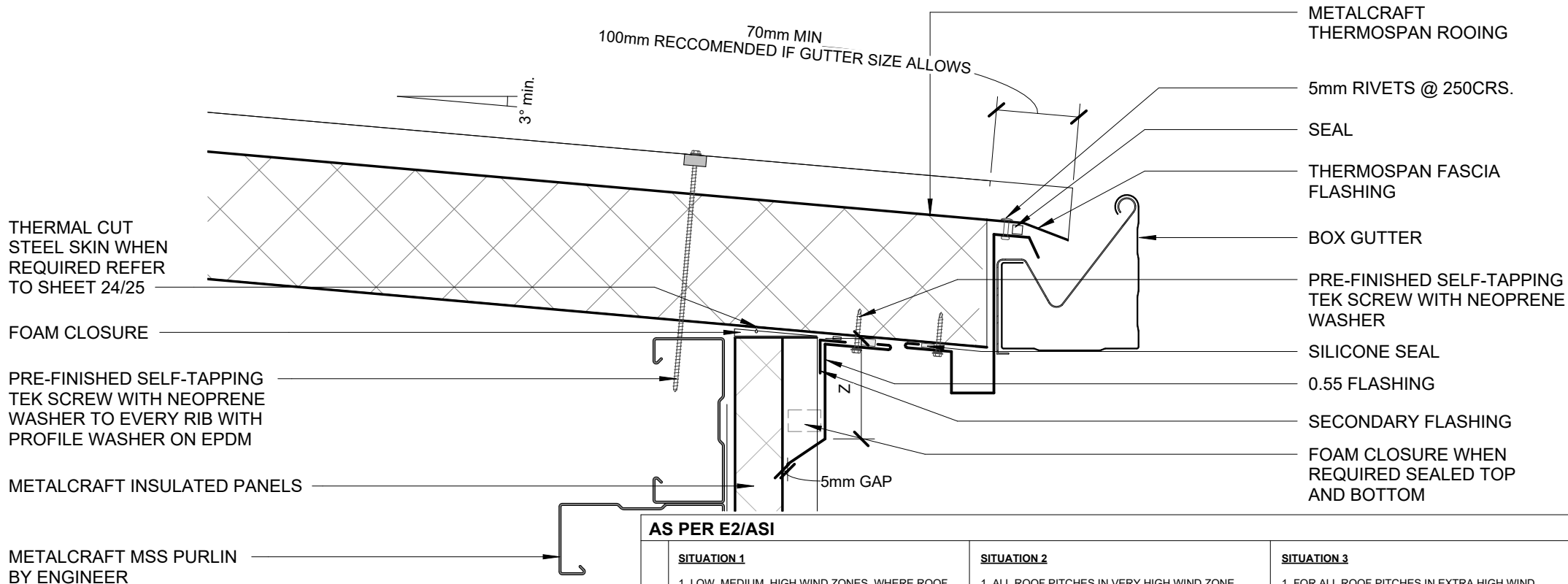
	<u>SITUATION 1</u>	<u>SITUATION 2</u>	<u>SITUATION 3</u>
	1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH $\geq 10^\circ$	1. ALL ROOF PITCHES IN VERY HIGH WIND ZONE 2. LOW, MEDIUM, HIGH WIND ZONES WHERE ROOF PITCH $\leq 10^\circ$	1. FOR ALL ROOF PITCHES IN EXTRA HIGH WIND ZONES
Z	MIN. 50mm	MIN. 70mm	MIN. 90mm

AS PER MRM CODE OF PRACTICE

	<u>CATEGORY A</u>	<u>CATEGORY B</u>	<u>CATEGORY C</u>	<u>CATEGORY D</u>
	LOW, MEDIUM OR HIGH WIND ZONES - ALL ROOF PITCHES VERY HIGH AND EXTRA HIGH WIND ZONES WHERE THE PITCH IS EQUAL TO OR GREATER THAN 10°	VERY HIGH WIND ZONES ROOF PITCH $< 8^\circ$ EXTRA HIGH WIND ZONES - ALL ROOF PITCHES	SED WIND ZONES UP TO 60 m/s ALL ROOF PITCH	SED WIND ZONES UP TO 68 m/s ALL ROOF PITCH
Z	MIN. 50mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 75mm (VERTICALLY DOWN FACE - PROFILED)	MIN. 75mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 100mm (VERTICALLY DOWN FACE - PROFILED)	MIN. 100mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 125mm (VERTICALLY DOWN FACE - PROFILED)	MIN. 100mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 125mm (VERTICALLY DOWN FACE - PROFILED)

GUTTER DETAIL 01

COMMERCIAL ROOFING



AS PER E2/ASI

	<u>SITUATION 1</u>	<u>SITUATION 2</u>	<u>SITUATION 3</u>
	1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH $\geq 10^\circ$	1. ALL ROOF PITCHES IN VERY HIGH WIND ZONE 2. LOW, MEDIUM, HIGH WIND ZONES WHERE ROOF PITCH $\leq 10^\circ$	1. FOR ALL ROOF PITCHES IN EXTRA HIGH WIND ZONES
Z	MIN. 50mm	MIN. 70mm	MIN. 90mm

AS PER MRM CODE OF PRACTICE

	<u>CATEGORY A</u>	<u>CATEGORY B</u>	<u>CATEGORY C</u>	<u>CATEGORY D</u>
	LOW, MEDIUM OR HIGH WIND ZONES - ALL ROOF PITCHES VERY HIGH AND EXTRA HIGH WIND ZONES WHERE THE PITCH IS EQUAL TO OR GREATER THAN 10°	VERY HIGH WIND ZONES ROOF PITCH $< 8^\circ$ EXTRA HIGH WIND ZONES -ALL ROOF PITCHES	SED WIND ZONES UP TO 60 m/s ALL ROOF PITCH	SED WIND ZONES UP TO 68 m/s ALL ROOF PITCH
Z	MIN. 50mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 75mm (VERTICALLY DOWN FACE - PROFILED)	MIN. 75mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 100mm (VERTICALLY DOWN FACE - PROFILED)	MIN. 100mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 125mm (VERTICALLY DOWN FACE - PROFILED)	MIN. 100mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 125mm (VERTICALLY DOWN FACE - PROFILED)

GUTTER DETAIL 02

COMMERCIAL ROOFING

ThermoSpan EPS

Rev. 1.1

Reference CREPS

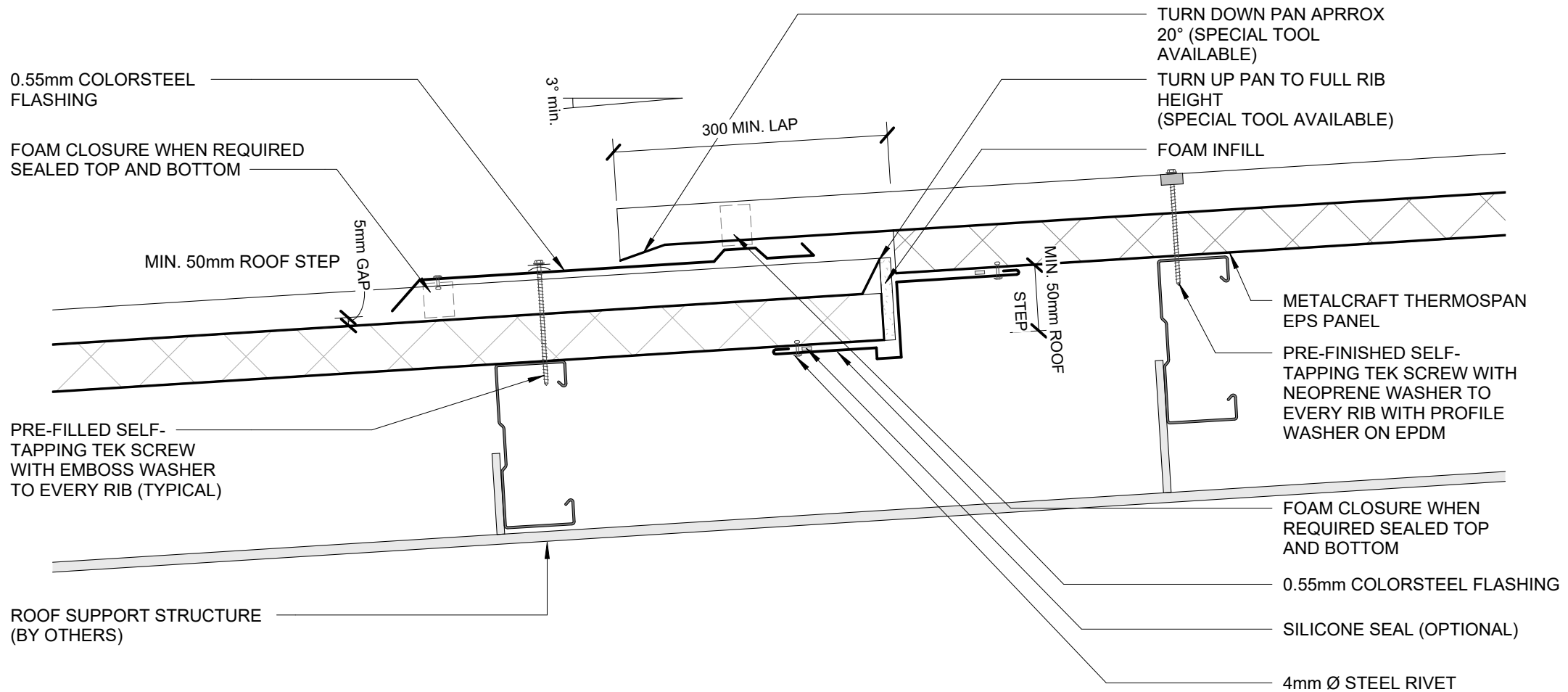
Date 19.12.2024

Scale 1 : 5

Sheet

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DETAIL RECOMMENDED WHERE
ROOF RUNS EXCEED 16m



EXPANSION STEP DETAIL

COMMERCIAL ROOFING

0.55 Z PROFILE FLASHING (NOT REQUIRED WHEN SPANNING 2 RIBS)

SEAL

METALCRAFT THERMOSPAN ROOFING

THERMOSPAN HEAD 0.55 BARGE FLASHING

THERMAL CUT STEEL SKIN WHEN REQUIRED REFER TO SHEET 24/25

SILICONE SEAL

14G SELF TAPPING TEK SCREW WITH NEOPRENE WASHER

OPTIONAL FIBRE CEMENT SOFFIT LINING OR ONCE PIECE METAL FLASHING

FOAM CLOSURE WHEN REQUIRED SEALED TOP AND BOTTOM

0.55 FLASHING

THERMOSPAN VERTICALLY LAID

PRE-FINISHED SELF-TAPPING TEK SCREW WITH NEOPRENE WASHER TO EVERY RIB WITH PROFILE WASHER ON EPDM

AS PER E2/ASI

SITUATION 1	SITUATION 2	SITUATION 3
1. LOW, MEDIUM, HIGH WIND ZONES WHERE ROOF PITCH $\geq 10^\circ$	1. ALL ROOF PITCHES IN VERY HIGH WIND ZONE 2. LOW, MEDIUM AND HIGH WND ZONES WHERE ROOF PITCH $\leq 10^\circ$	1. ALL ROOF PITCHES IN EXTRA HIGH WIND ZONE.
Y AT LEAST TWO CRESTS	AT LEAST TWO CRESTS	AT LEAST TWO CRESTS
Z MIN. 50mm	MIN. 70mm	MIN. 90mm

AS PER MRM CODE OF PRACTICE

CATEGORY A	CATEGORY B	CATEGORY C	CATEGORY D
LOW, MEDIUM OR HIGH WIND ZONES - ALL ROOF PITCHES VERY HIGH AND EXTRA HIGH WIND ZONES WHERE THE PITCH IS EQUAL TO OR GREATER THAN 10°	VERY HIGH WIND ZONES ROOF PITCH $<8^\circ$ EXTRA HIGH WIND ZONES -ALL ROOF PITCHES	SED WIND ZONES UP TO 60 m/s ALL ROOF PITCH	SED WIND ZONES UP TO 68 m/s ALL ROOF PITCH
Y TRAPEZOIDAL & TRAY: ONE RIB CORRUGATE: 2 CORRUGATIONS	TRAPEZOIDAL & TRAY: TWO RIBS (20mm - 34mm)* ONE RIB ($>34mm$)* CORRUGATE: 2 CORRUGATIONS	TRAPEZOIDAL & TRAY: TWO RIBS (20mm - 34mm)* ONE RIB ($>34mm$)* CORRUGATE: 3 CORRUGATIONS	TRAPEZOIDAL & TRAY: TWO RIBS (20mm - 34mm)* + UNDERSOAKER ONE RIB ($>34mm$)* + UNDERSOAKER CORRUGATE: 2 CORRUGATIONS + UNDERSOAKER
Z MIN. 50mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 75mm (VERTICALLY DOWN FACE - PROFILED)	MIN. 75mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 100mm (VERTICALLY DOWN FACE - PROFILED)	MIN. 75mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 125mm (VERTICALLY DOWN FACE - PROFILED)	MIN. 75mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 125mm (VERTICALLY DOWN FACE - PROFILED)

* RIB HEIGHT OF PROFILE OR TURNUP

CANTILEVER BARGE CAPPING DETAIL 01

ThermoSpan EPS

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COMMERCIAL ROOFING

Reference CREPS

Date 19.12.2024

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DISCLAIMER:
All details are to be used for indicative purposes only and the designer should consult both the MRM code of practice and E2 and all other relevant building codes. Details of the supporting mechanisms are indicative only. These installation details must be read in conjunction with all other product literature available for download from www.metalcraftinsulatedpanels.co.nz

0.55 Z PROFILE FLASHING (NOT REQUIRED WHEN SPANNING 2 RIBS)

SEAL

METALCRAFT THERMOSPAN ROOFING

THERMOSPAN HEAD 0.55 BARGE FLASHING

THERMAL CUT STEEL SKIN WHEN REQUIRED REFER TO SHEET 24/25

SILICONE SEAL

14G SELF TAPPING TEK SCREW WITH NEOPRENE WASHER

SECONDARY FLASHING

FOAM CLOSURE WHEN REQUIRED SEALED TOP AND BOTTOM

0.55 FLASHING

THERMOSPAN VERTICALLY LAID

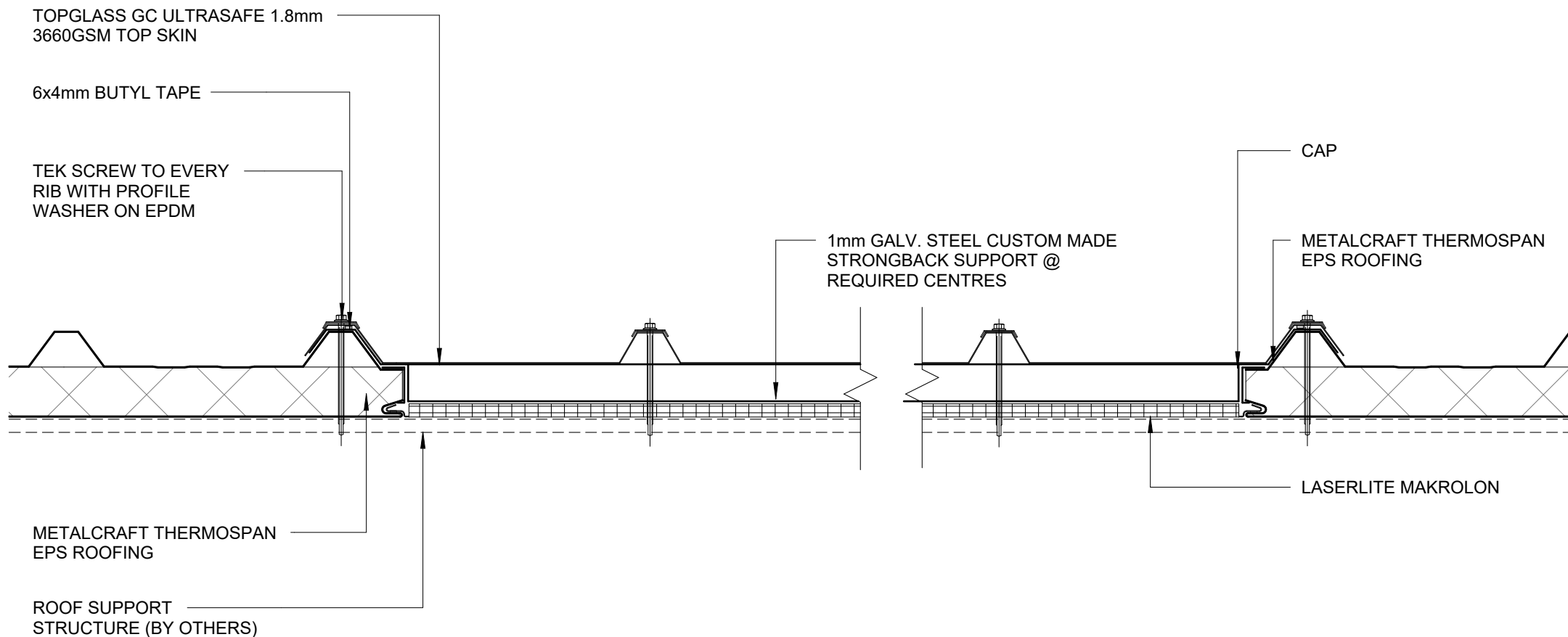
PRE-FINISHED SELF-TAPPING TEK SCREW WITH NEOPRENE WASHER TO EVERY RIB WITH PROFILE WASHER ON EPDM

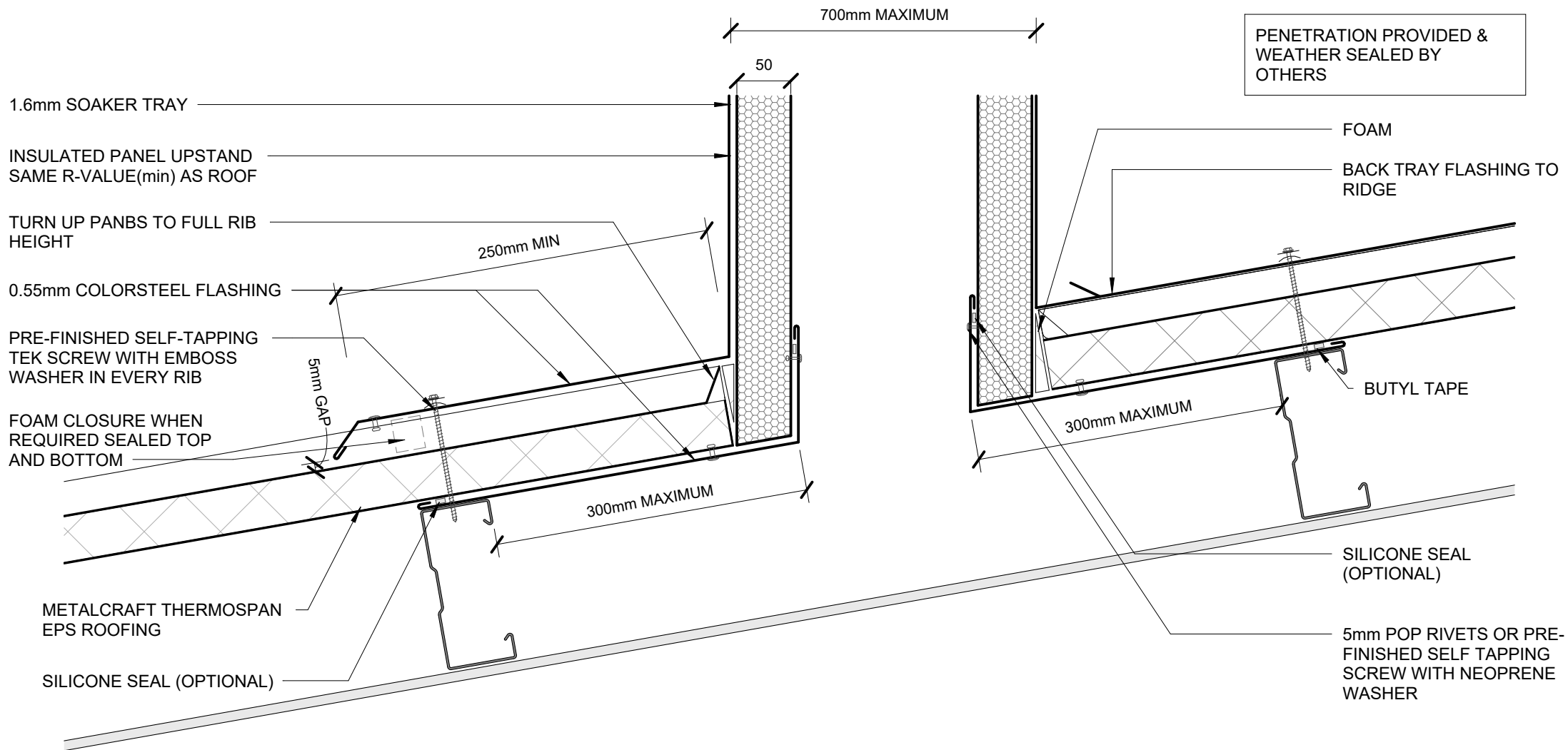
AS PER E2/ASI			
	SITUATION 1	SITUATION 2	SITUATION 3
	1. LOW, MEDIUM, HIGH WIND ZONES WHERE ROOF PITCH ≥ 10°	1. ALL ROOF PITCHES IN VERY HIGH WIND ZONE 2. LOW, MEDIUM AND HIGH WND ZONES WHERE ROOF PITCH ≤ 10°	1.ALL ROOF PITCHES IN EXTRA HIGH WIND ZONE.
Y	AT LEAST TWO CRESTS	AT LEAST TWO CRESTS	AT LEAST TWO CRESTS
Z	MIN. 50mm	MIN. 70mm	MIN. 90mm

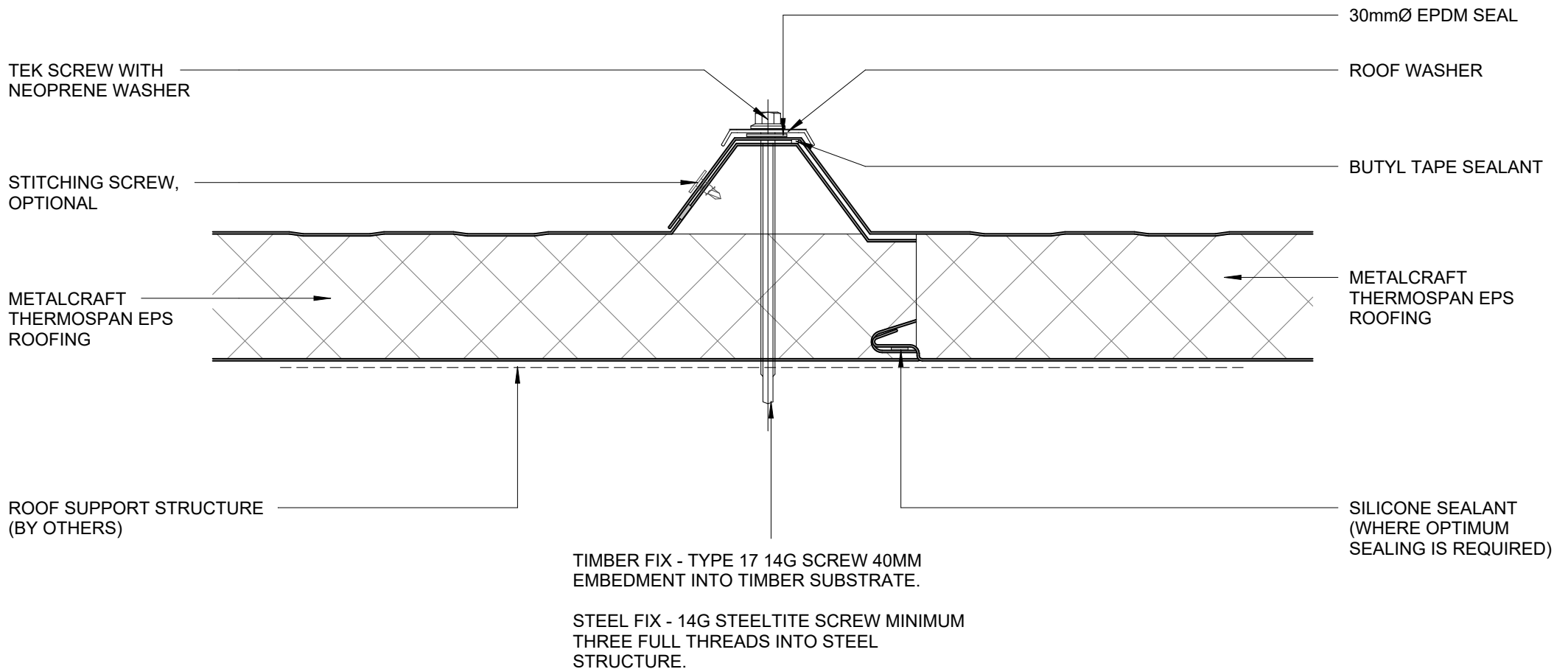
AS PER MRM CODE OF PRACTICE			
	CATEGORY A	CATEGORY B	CATEGORY C
	LOW, MEDIUM OR HIGH WIND ZONES - ALL ROOF PITCHES VERY HIGH AND EXTRA HIGH WIND ZONES WHERE THE PITCH IS EQUAL TO OR GREATER THAN 10°	VERY HIGH WIND ZONES ROOF PITCH <8° EXTRA HIGH WIND ZONES -ALL ROOF PITCHES	SED WIND ZONES UP TO 60 m/s ALL ROOF PITCH
Y	TRAPEZOIDAL & TRAY: ONE RIB CORRUGATE: 2 CORRUGATIONS	TRAPEZOIDAL & TRAY: TWO RIBS (20mm - 34mm)* ONE RIB (>34mm)* CORRUGATE: 2 CORRUGATIONS	TRAPEZOIDAL & TRAY: TWO RIBS (20mm - 34mm)* ONE RIB (>34mm)* CORRUGATE: 3 CORRUGATIONS
Z	MIN. 50mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 75mm (VERTICALLY DOWN FACE - PROFILED)	MIN. 75mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 100mm (VERTICALLY DOWN FACE - PROFILED)	MIN. 75mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 125mm (VERTICALLY DOWN FACE - PROFILED)

* RIB HEIGHT OF PROFILE OR TURNUP

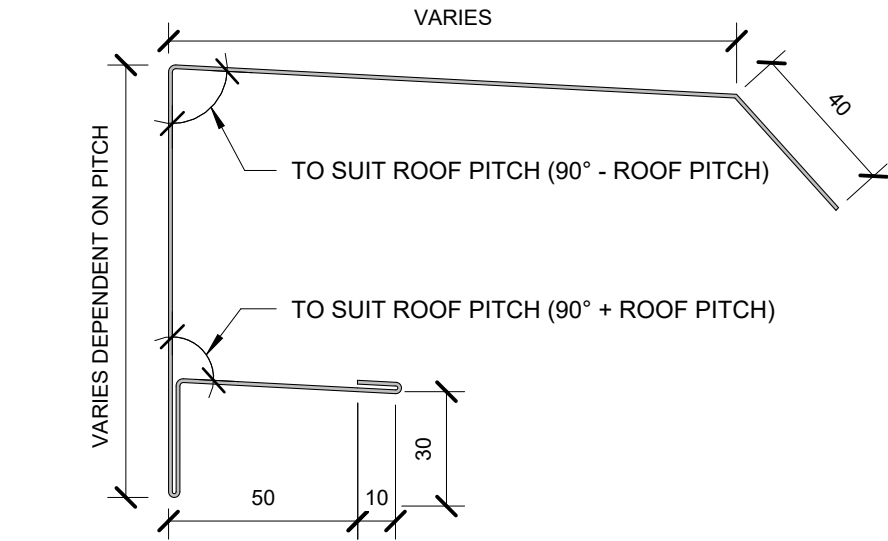
- ALSYNITE RECOMMEND CONTINUOUS RUN FROM RIDGE TO GUTTER
- R-VALUE OF ROOFLIGHT =0.57
- NO SAFETY MESH REQUIRED
- FOR MORE INFORMATION REFER www.alsynite.co.nz



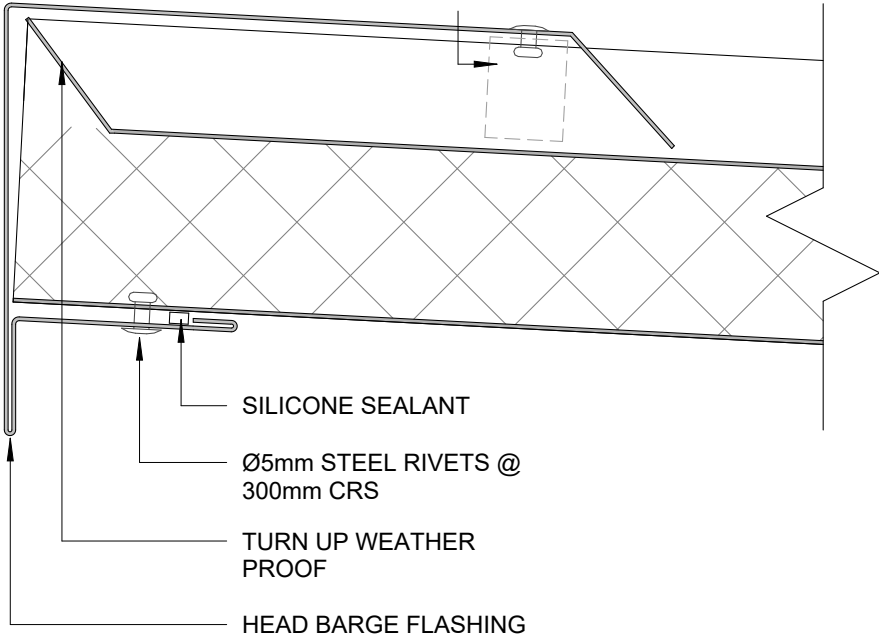




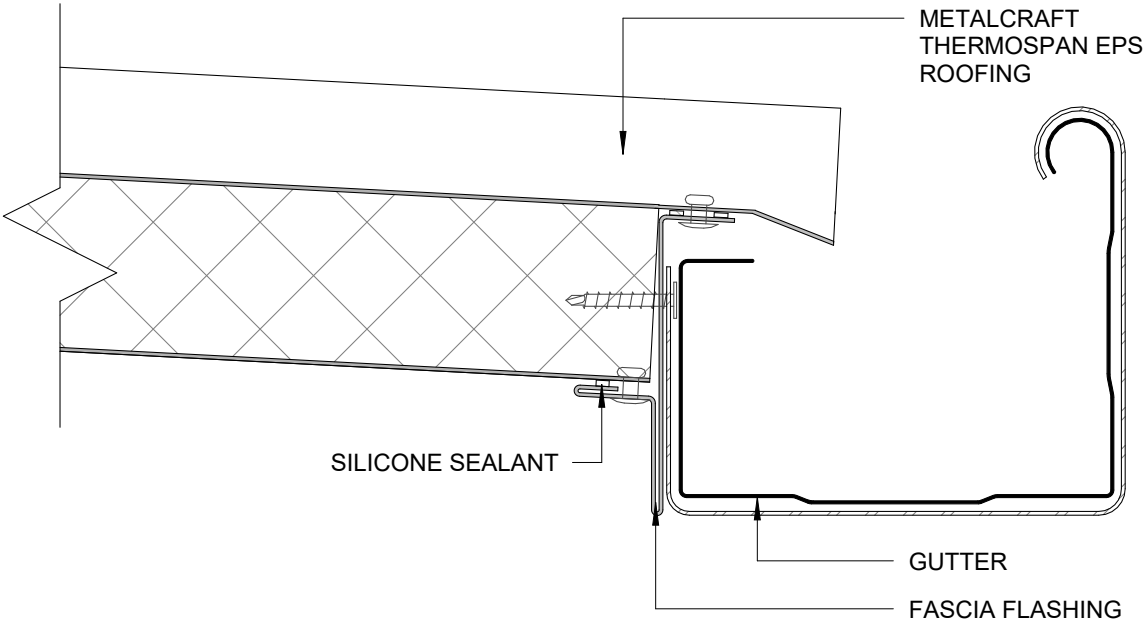
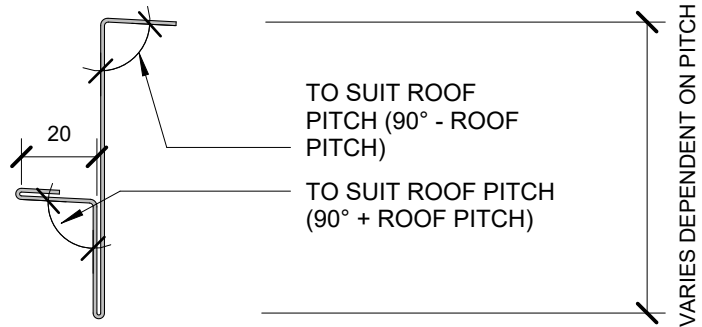
THERMOSPAN EPS HEAD BARGE FLASHING



FOAM CLOSURE WHEN REQUIRED
SEALED TOP AND BOTTOM



THERMOSPAN FACIA FLASHING

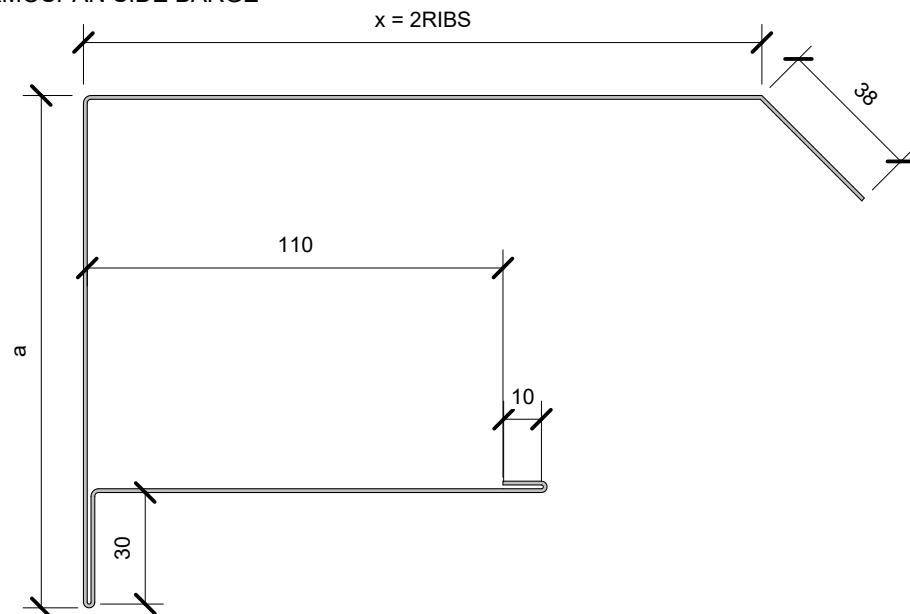


FASCIA AND BARGE FLASHING DIMENSIONS

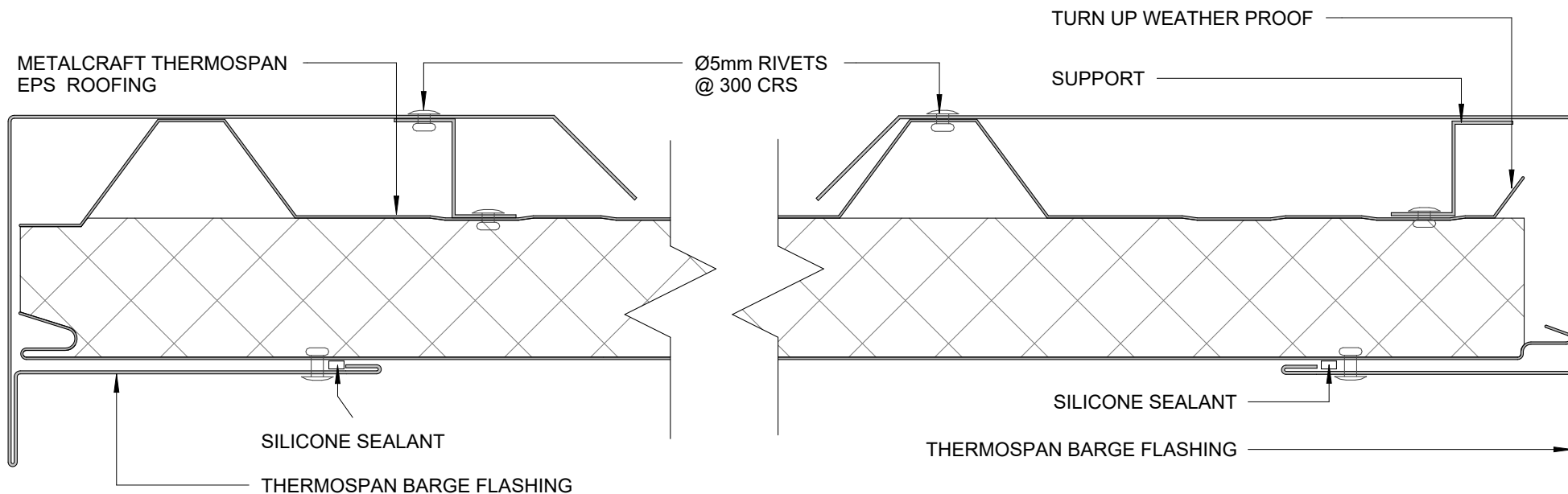
ThermoSpan EPS Rev. 1.3 COMMERCIAL ROOFING

Reference CREPS Date 19.12.2024 Scale 1 : 2 Sheet 22 / 25

THERMOSPAN SIDE BARGE



SIDE BARGE	
Thermospan thickness	Flashing Height (a)
50mm	115mm
75mm	140mm
100mm	165mm
125mm	190mm
150mm	215mm
200mm	265mm
250mm	315mm



SIDE BARGE FLASHING DIMENSIONS

ThermoSpan EPS

Rev. 1.3

COMMERCIAL ROOFING

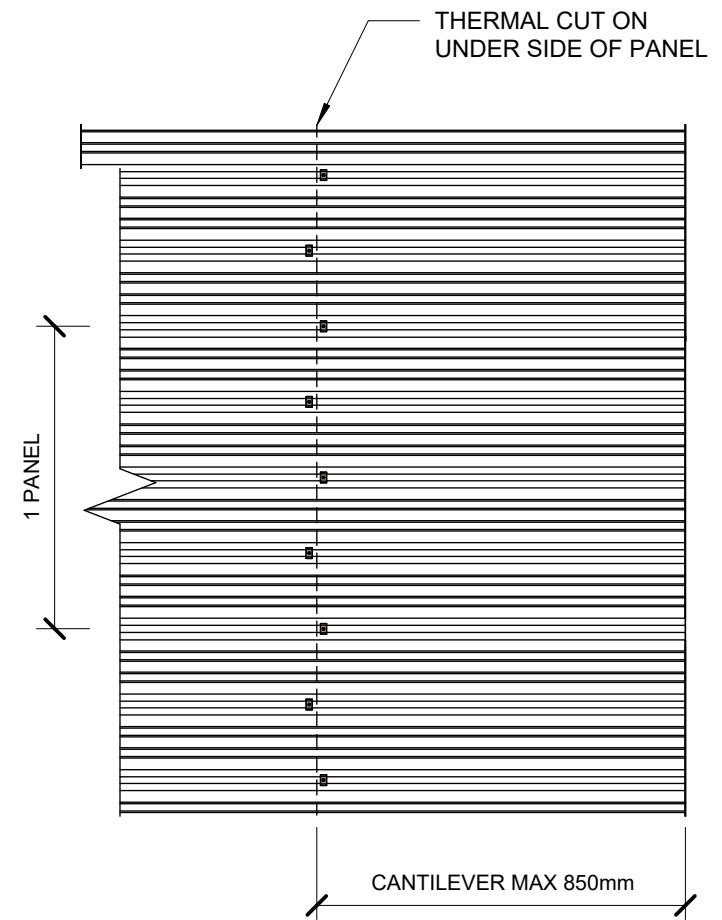
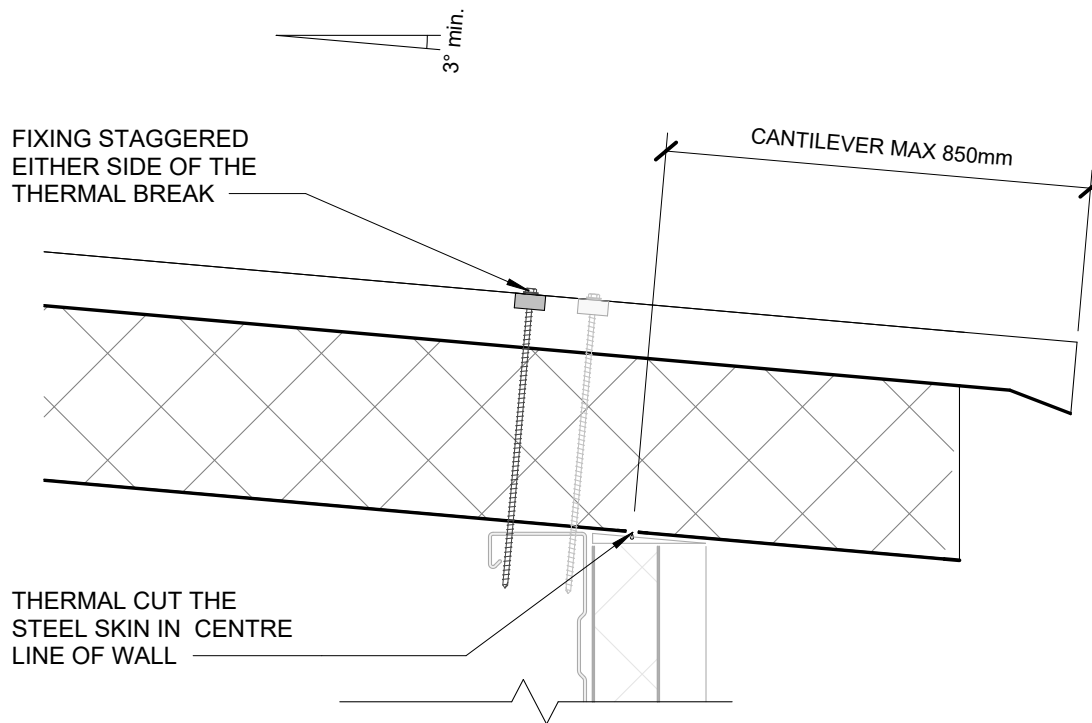
Reference CREPS

Date 19.12.2024

Scale 1 : 2

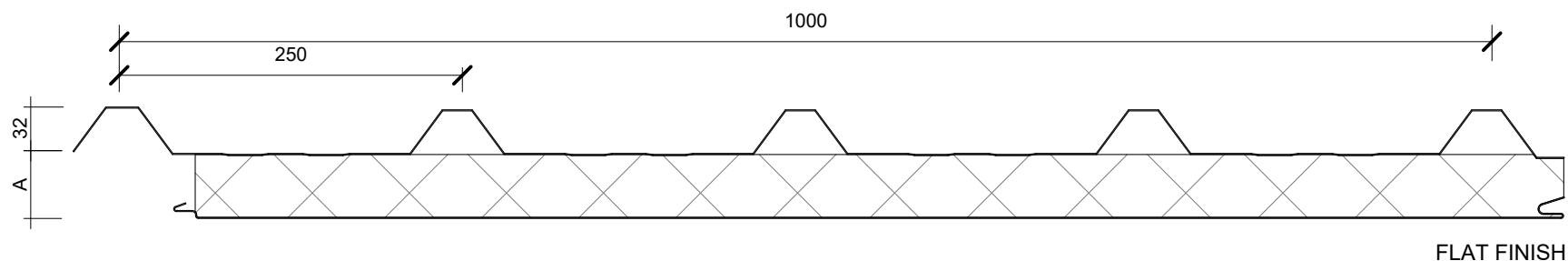
Sheet

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THERMOSPAN EPS

A = 50, 75, 100,
125, 150, 200, 250

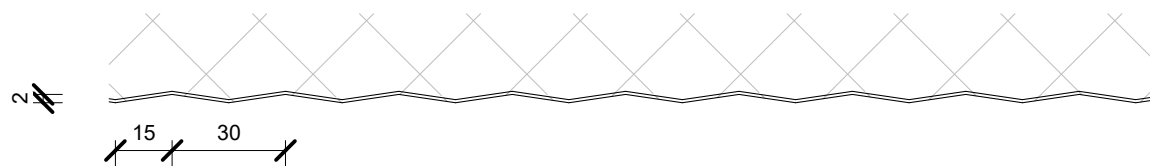


SCALE @ 1:5

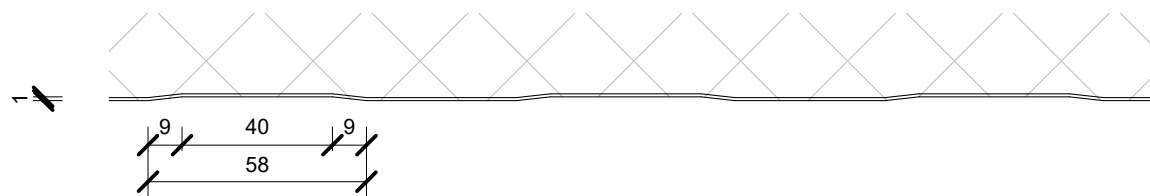
INTERNAL LINER FINISHES

SCALE @ 1:2

SILKLINE FINISH



MESA FINISH



RIBBED FINISH

